ENGINEERING & SURVEYING, INC.

PRINCIPALS
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FOUNDED 1954
Guenter K. Leptien
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Jasper Cooper

October 14, 2020

San Leandro Unified School District
1145 Aladdin Avenue
San Leandro, CA 94577

Attn: Ridge Greene, RGM Kramer

Re: San Leandro Unified School District (SLUSD)
Lincoln Continuation School (near John Muir MS)
Proposal for Surveying and Mapping Services

Dear Mr. Green,

LCC Engineering & Surveying, Inc. (LCC) is pleased to submit this proposal to provide land surveying and mapping services for the above referenced project.

SCOPE OF SERVICES AND ESTIMATE OF COST AND TIME;

Based on emails with you, we understand that a ground based topographic survey and mapping will be required for future Building and related improvements, which will be located on the southwest end of the existing John Muir Middle School campus, adjacent to the parking lot along Leonard Drive. We have attached an exhibit (reviewed by the District and Architect) showing the limits of the work area for the proposed survey and mapping.

We also understand that, for the main site, another firm will be performing underground utility locating and mapping. LCC will not be responsible for surveying the markings, however we will take several “check shots” so that the locator may incorporate their mapping with ours as seamlessly as possible.

Based on this information, LCC proposes to provide the following services and have also attached the “Estimated Hours and Cost by Task” spreadsheet for items work include herein:

Task 1 – Topographic Surveys and Mapping

LCC will coordinate with SLUSD’s project manager(s) to obtain the final requirements for the supplement survey work. We will perform a ground based topographic survey (1”=20’ scale) or other suitable scale, with 1-foot contours of the existing site area, as follows:

LCC will establish control points for the surveys and perform a detailed supplemental topographic ground level survey within the limits shown on the attached exhibits. The

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survey will include locating major topographic features horizontally and vertically such as curbs, sidewalks, flatwork, building walls/corners, poles, signs, lights, trees, planter areas, striping, fences, visible utility boxes, and grates of inlets, and visible utility facilities within the survey limits.

After field survey is completed, LCC will prepare a Topographic Survey Map of the subject site area. The Map of the collected file data will be prepared at 1"=10' scale or other suitable scale on a 24"x36" sheet using AutoCAD software. All collected survey information will be shown with elevations and line work suitable for future design improvement work.

Task 2 – Limited Boundary Mapping

LCC will include the drafting of property boundary line(s) mapping on to the proposed topographic survey using record information. Our proposed scope of services will include researching the District, and County records, locating existing property corners or record street monuments in the field. The property lines (within survey limits only) will be incorporated into the topographic base maps on a separate CAD layer. No easement information will be shown since a Preliminary Title Report will not be provided by the client.

DELIVERABLES

We will provide the District with a PDF plot of the signed survey, and up to two (2) sets of bond copies of the drawings, along with the electronic CAD files of the base map delivered via email or ftp site. The CAD drawing will be drawn at 1:1 and provided in AutoCAD 3D.

HOURS AND COSTS BY TASKS

A spreadsheet which shows the estimated hours and cost for each of the various subtasks to be performed is attached. The spreadsheet is submitted for information and budget purposes only and the amounts per subtasks are not guaranteed, i.e. the actual amount per subtask may be higher or lower based upon the actual work performed.

HOURLY RATES

Work will be performed at the hourly rates attached to our Independent Consultant Agreement for Professional Services with SLUSD dated June 10, 2020. LCC, Inc. proposes to provide the scope of services described herein on a time and materials basis for a total amount not to exceed the total amount indicated at the bottom of the attached spreadsheet without written authorization, in accordance with said agreement.

SCHEDULE

We can begin work within one week of receiving a written notice to proceed. We can work with the District to complete all tasks in accordance with the District's schedule as is reasonably possible. We estimate that the field and office mapping will take approximately two weeks to complete. Our schedule will be dependent upon rain delays, and the assumption we

will be given reasonable access to the property. LCC will not be responsible for delays in schedule which are not reasonably within their control.

ADDITIONAL SERVICES AND ASSUMPTIONS

Additional services are items that can be provided by LCC, or its subcontractors, but which are not included in the “Scope of Services” outlined above. Additional services will be provided on a “Time and Materials” basis, according to LCC's prevailing “Rate Schedule”, unless a separate agreement for the work is negotiated.

Work items that will be considered “Additional Services” include, but are not limited to the following:

- Aerial Mapping
- Surveying of any kind outside of the work limit line shown on the "Survey Exhibit"
- Reviewing and incorporating comments and mark-ups from the Client after final submittal has been made.
- Underground locating or “Potholing” to locate existing utilities.
- Additional Boundary or Easement work.
- Civil Engineering Services
- Construction Staking

LCC will undertake additional services when requested to do so by the Client. Prior to proceeding with any Additional Services, LCC will send a work order to the Client indicating the nature of requested additional services, and an estimate of the fees to be charged for the additional work, subject to approval by the Client.

Thank you for this opportunity to submit this proposal. Please feel free to contact me at 925-228-4218 or cmp@lcc-inc.com if you have any questions, or if you would like us to proceed.

Sincerely,
LCC Engineering & Surveying, Inc.



Christine M. Parks
Principal

Encl: Limits of Survey Work Exhibit (1 page)
Estimated Hours and Cost by Task, Spreadsheet (1 page)


Lincoln Continuation School
Survey and Mapping Limits
Legend
Lincoln Continuation School
Leonard Dr
Nimitz Fwy
880
Google Earth
N
200 ft

ESTIMATED WORKER HOURS AND COST BY TASK
LCC ENGINEERING SURVEYING, INC.

SAN LEANDRO UNIFIED SCHOOL DISTRICT (SLUSD)
LINCOLN CONTINUATION SCHOOL
PROPOSAL FOR LAND SURVEYING & MAPPING SERVICES
October 14, 2020

		LCC, INC. HOURS									HOURS			AMOUNTS		
SCOPE OF WORK		**PS**	**S2**	**S1**	**LS**	**CE**	**AE**	**C2**	**C1**	**TT**	**LCC**	**SUB**	**TOTAL**	**LCC**	**SUB**	**TOTAL**
TASK 1 - TOPOGRAPHIC SURVEYS AND MAPPING																
1.1	Field - Topographic Surveys		12		1						13		13	$3,250	$0	$3,250
1.2	Office - Topo mapping - compile data and mapping				2			24			26		26	$3,524	$0	$3,524
1.3	Office - Management & Coordination	1			2						3		3	$597	$0	$597
	Subtotal Task 1	1	12	0	5	0	0	24	0	0	42	0	42	$7,371	$0	$7,371
														Estimated Reimbursable Expenses:		$0
														Total Task 1:		$7,371
TASK 2 - LIMITED BOUNDARY MAPPING																
2.1	Research record maps, drawings and deeds				2			4			6		6	$904	$0	$904
2.2	Field - Tie-in (survey) property corners/monuments		4								4		4	$1,020	$0	$1,020
2.3	Add ROW and Property Lines to base mapping	1			2			4			7		7	$1,121	$0	$1,121
	Subtotal Task 2	1	4	0	4	0	0	8	0	0	17	0	17	$3,045	$0	$3,045
														Estimated Reimbursable Expenses:		$0
														Total Task 2		$3,045

ROUNDED TOTAL TASKS 1-2 (NOT TO EXCEED AMOUNT): $10,500

LEGEND - LCC TEAM MEMBERS AND HOURLY RATES

PS = PRINCIPAL SURVEYOR	$217	AE = ASSISTANT ENGINEER	$145	SUB = SUBCONSULTANT	$100
S2 = TWO-MAN SURVEY CREW	$255	C2 = CAD DESIGNER	$131	(HOURLY RATES FOR SUBCONSULTANTS ARE USED AS CALCULATION TOOL FOR ESTIMATED COST OF SERVICES AND MATERIALS DELIVERED)	
S1 = ONE-MAN SURVEY CREW	$169	C1 = CAD OPERATOR	$96		
LS = LAND SURVEYOR / SENIOR ENGINEER	$190	TT = TECHNICAL TYPIST	$76		
CE = CIVIL ENGR.	$163				